Exercise 1 *For each interval of real numbers below, select the quadrant of the unit circle in which the corresponding angles lie.*

(a) $\left(0, \dfrac{\pi}{6}\right)$

> ***Multiple Choice:***
>
> > (i) *Quadrant I* ✓
> > (ii) *Quadrant II*
> > (iii) *Quadrant III*
> > (iv) *Quadrant IV*

(b) $\left(\dfrac{11\pi}{7}, \dfrac{17\pi}{9}\right)$

> ***Multiple Choice:***
>
> > (i) *Quadrant I*
> > (ii) *Quadrant II*
> > (iii) *Quadrant III*
> > (iv) *Quadrant IV* ✓

(c) $(3.5, 4)$

> ***Multiple Choice:***
>
> > (i) *Quadrant I*
> > (ii) *Quadrant II*
> > (iii) *Quadrant III* ✓
> > (iv) *Quadrant IV*

(d) $\left(-\dfrac{11}{10}, -\dfrac{1}{10}\right)$

> ***Multiple Choice:***
>
> > (i) *Quadrant I*
> > (ii) *Quadrant II*
> > (iii) *Quadrant III*
> > (iv) *Quadrant IV* ✓

(e) $(2, 3)$

> ***Multiple Choice:***

(i) *Quadrant I*

(ii) *Quadrant II* ✓

(iii) *Quadrant III*

(iv) *Quadrant IV*